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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/700,530

02/09/2001

Willy Sagefalk

STGUP008

5601

28436

7590

07/13/2005

IP CREATORS

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EXAMINER

GENCO, BRIAN C

ART UNIT

PAPER NUMBER

2615

DATE MAILED: 07/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/700,530	Applicant(s) SAGEFALK ET AL.	
	Examiner Brian C. Genco	Art Unit 2615	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 June 2005.  
2a) ☒ This action is FINAL.                      2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-7 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>6/05</u> . | 6) <input type="checkbox"/> Other: _____  |

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Applicant's amendment filed June 1, 2005 has overcome the grounds of rejection previously presented.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by (USPN 5,543,954 to Nicholson).

In regards to claim 1 Nicholson discloses an apparatus for panning and tilting an optical input to an objective of a camera; and the apparatus comprising:

a panning mirror rotationally coupled to the camera for bending the optical input to align with an optical axis of the objective, and for panning the optical input to the objective of the camera about the optical axis (e.g., mirror element 14 shown in Fig. 3, wherein a camera is attached to ring element 38 as disclosed on column 4, lines 1-3); and

a tilting mirror radially displaced from the panning mirror about the optical axis, and rotationally coupled to the camera for rotation concentric with the panning mirror about the optical axis, and the tilting mirror optically coupled with the panning mirror to tilt the optical input in selectable amounts (e.g., mirror element 12 of Figs. 1 and 3; column 5, lines 14-39).

In regards to claim 2 Nicholson discloses the apparatus of claim 1, further comprising:

a planetary linkage coupling the panning mirror and the tilting mirror, and including:

a mirror wheel rotatable about the optical axis, and the panning mirror affixed to the mirror wheel and the tilting mirror tiltably affixed to the mirror wheel both for rotation about the optical axis (e.g., the x-axis drive ring element 76 of Fig. 2, wherein the x-axis drive ring is affixed to both the panning mirror and the tilting mirror for rotation about the optical axis as illustrated in Fig. 2; column 4, lines 52-55);

a guide wheel rotatable about the optical axis (e.g., primary drive ring element 34 of Fig. 2); and

a planetary member mechanically coupled to both the guide wheel together with the mirror wheel such that a relative rotation there between produces a rotation of the planetary member and the planetary member further coupled to the tilt mirror such that the rotation of the planetary member effects the tilting of the mirror (e.g., the planetary member is the y-axis drive belt element 90 which is mechanically coupled to the guide wheel as shown in Figs. 1 and 3 and the guide wheel is mechanically coupled to the mirror wheel and as such the planetary member is mechanically coupled to both the guide wheel together with the mirror wheel. Further, as described on column 5, lines 14-25 a brake is used to hold mirror wheel 76 so as to cause relative rotation between the guide wheel and the mirror wheel and thus produce rotation of the planetary member element 90 which in turn effects the tilting of the mirror).

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In regards to claim 3 Nicholson discloses the apparatus of claim 1, wherein the panning mirror couples to the camera for panning the optical input throughout an entire 360 degrees about the optical axis (e.g., column 5, lines 33-34).

In regards to claims 4-7 see Examiner's notes on the rejections above.

### *Conclusion*

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian C. Genco who can be reached by phone at 571-272-7364 or by fax at 571-273-7364. The examiner can normally be reached on Monday thru Friday 8:30am to 4:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached at 571-272-7593.


The fax phone number for the organization where this application or proceeding is assigned is currently (703) 872-9306. On July 15, 2005 the fax number will change to 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is 571-272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian C Genco  
Examiner  
Art Unit 2615

July 5, 2005

  
DAVID L. OMETZ  
PRIMARY EXAMINER